

## Receiving Report

Date: 14/9/12 Batch No: M1303F7  
 Supplier: Thyssen Dart P/O: 25673

Packing Slip: Yes ☒ No ☐ Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Invoice: Yes ☐ No ☒ Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Receipt: Cash ☐ Cr ☒ Shipment Complete: Yes ☒ No ☐ N/A ☐  
 New Supplier Yes ☐ No ☒ QC18 Inspection ☒ DAS ☐ N/A ☐  
 Work Order ☐ 23 14-09-18 N/A ☒

**Discrepancies**

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location

# Purchase Order Receipt Listing

Wednesday, September 17, 2014 7:19:05 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO25673 Receipt Dates from 9/17/2014 to 9/17/2014 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO25673 CAD	1 No		M2024T3S.070 2024-T3 .070 sheet m130387	sf	9/17/2014 48.0000	9/17/2014 DESJ02	1 - 48.0000	\$4.98 \$239.12	0.0000 0.0000	0 0	\$239.12
	2 No		M2024T3S.090 2024-T3 .090 sheet m130387	sf	9/17/2014 48.0000	9/17/2014 DESJ02	1 - 48.0000	\$5.30 \$254.30	0.0000 0.0000	0 0	\$254.30
	5 No		M6061T6S.032 6061-T6 Sheet 0.032" sf m130387	sf	9/15/2014 144.0000	9/17/2014 DESJ02	3 - 144.0000	\$1.67 \$239.77	0.0000 0.0000	0 0	\$239.77
	7 No		M7075T6B6.000X0.2 f 50 7075-T6 BAR 6.000" f X 0.250" m130387	f	9/17/2014 24.0000	9/17/2014 DESJ02	2 - 24.0000	\$12.65 \$303.50	0.0000 0.0000	0 0	\$303.50

Total Received Quantity: 264.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$1,036.68  
Total Balance Due Quantity: 0.0000

# B I L L O F L A D I N G

No: PEC 896354

Ship From:  
1HYSSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 16Sep14 at 15:28 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-719600- 1 Your PO # 25673  
ALUMINUM SHEET 2024 -T3

.0710 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
449911 332800

Quantity PCS Wt LBS  
48.00 SFT 1 49

2) Our Order PEC-719600- 2 Your PO # 25673  
ALUMINUM SHEET 2024 -T3

.0910 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
679638A7 332802

Quantity PCS Wt LBS  
48.00 SFT 1 62

3) Our Order PEC-719600- 3 Your PO # 25673  
ALUMINUM SHEET 6061 T6

.0320 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
678161A1 332803

Quantity PCS Wt LBS  
144.00 SFT 3 65

4) Our Order PEC-719600- 4 Your PO # 25673  
ALUMINUM PLATE 7075-T651

.250" THICK X 6.0000" X 144.0000"

Heat Number Tag No  
682597A0 332804

Quantity PCS Wt LBS  
12.00 SFT 2 44

TOTAL: Tags 4 PCS 7 Wt LBS 220

Heat Number  
678161A1

\*\*\* Chemical Analysis \*\*\*

Page: 1 ....Continued

1 Ba R600  
1 Cush R133  
1 crate R133

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 896354  
Ship Date 16Sep14 at 15:28 From PFW  
Probill  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE

Ship To: ( 1)  
DART AEROSPACE

B I L L O F L A D I N G

682597A0

ADD ON TO 719484 SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 SKID, 1 CUSH, 1 BDL GW. 439 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*  
\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*  
\* WE STOCK STAINLESS STEEL \*  
\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*  
\*\*\*\*\*  
\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR  
INVENTORY, SEPT. 18 & 19/2014. THERE WILL BE NO  
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES  
OFFICE WILL REMAIN OPEN.

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER: 5400222112-10		WORK PACKAGE:	CUSTOMER PART NUMBER: ALFLR01643		PRODUCT DESCRIPTION: HT Flat Sheet
KAISER ORDER NUMBER: 1173240	LINE ITEM: 1	SHIP DATE: 06/06/2014	ALLOY: 6061	CLAD: BARE	TEMPER: T6
WEIGHT SHIPPED: 13683 LB	QUANTITY: 631 PCS EST.	B/L NUMBER: 2048263	GAUGE: 0.0320 IN	WIDTH: 48.000 IN	LENGTH: 144.000 IN
SHIP TO: COPPER & BRASS SALES 905 CARLOW DRIVE UNIT D BOLINGBROOK, IL 60490 US			SOLD TO: COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US		

MHU 1786884: LOT 678064A7: 175 pieces  
MHU 1786886: LOT 678064A7: 18 pieces  
MHU 1790637: LOT 678161A1: 219 pieces  
MHU 1790642: LOT 678161A1: 219 pieces

### Certified Specifications

AMS 4027/RevN ASME SB 209/Rev2010 ASTM B 209/Rev10

DAS  
23  
9-89

14-09-18

Test Code: 1511

### Test Results:

LOT: 678064A7 CAST: 027 DROP: 90 INGOT: 1

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T6	LT / 02 (Min:Max)	46.4 : 46.4 (320 : 320)	40.0 : 40.6 (276 : 280)	10.8 : 12.2

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.71	0.5	0.30	0.08	1.1	0.19	0.07	0.02	0.01	0.00	TOT 0.05

LOT: 678161A1 CAST: 027 DROP: 89 INGOT: 1

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T6	LT / 02 (Min:Max)	47.0 : 47.6 (324 : 328)	40.2 : 40.7 (277 : 281)	12.3 : 12.8

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.72	0.5	0.29	0.08	1.1	0.19	0.08	0.03	0.01	0.00	TOT 0.05

Plant Serial: 4336088

Kaiser Order Number: 1173240

Line Item: 1

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378302

CstAr

CstOr 261259

Wgt.: 65.028 LB

Date 09/09/2014

*John R. Zumbach*

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
6061	MIN	0.40	0.0	0.15	0.00	0.8	0.04	0.00	0.00	0.00	MAX 0.05
	MAX	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	TOT 0.15
Aluminum Remainder											

### Miscellaneous Notes

6061 sheet or plate certified to AMS 4025, AMS 4026, or AMS 4027 also meets applicable requirements of AMS-QQ-A-250/11, Rev. A.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order: \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. \* has been thermally processed in compliance with AMS 2772, where applicable. \* is mercury free, within the limits of detection of ASTM E1231 (<1ppm). \* is in compliance with RoHS 2, European Union Directive 2011/65/EU. \* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) 1907/2006. \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

*James Hemenway*

Plant Serial: 4336088  
Kaiser Order Number: 1173240  
Line Item: 1

Page 2 of 2

From: ThyssenKrupp Materials NA  
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378302  
CstAr CstOr 261259  
Wgt.: 65.028 LB Date 09/09/2014

*John L. Zumbatti*



ThyssenKrupp Materials NA  
Copper and Brass Sales Division  
22355 West 11 Mile Road  
SOUTHFIELD MI 48033  
Tel.: +12482335700 Fax: +12482335888

Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
81A/1402089394	000030	900001	6061 Aluminum - T6 Sheet 0.03200 X Width
Att_001.PDF	09/08/2014	3 ST	
	NCAP	930257060720140004	678161A1

Delivery number	2403378302
Date	09/09/2014

THYSSENKRUPP MATERIALS NA - ECAD  
2821 LANGSTAFF ROAD  
CONCORD L4K 5C6  
CANADA



# KAISER ALUMINUM

FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER: 5400215135-20		WORK PACKAGE:	CUSTOMER PART NUMBER: ALFLR00983-48.5		PRODUCT DESCRIPTION: Sawed Plate
KAISER ORDER NUMBER: 1169391	LINE ITEM: 2	SHIP DATE: 04/25/2014	ALLOY: 7075	CLAD: BARE	TEMPER: T651
WEIGHT SHIPPED: 4891 LB	QUANTITY: 27 PCS EST.	B/L NUMBER: 2047540	GAUGE: 0.2500 IN	WIDTH: 48.500 IN	LENGTH: 144.500 IN
SHIP TO:  COPPER & BRASS 1015 SAINT JEROME ST. MISHAWAKA, IN 46544 US			SOLD TO:  COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US		

MHU 1779069: LOT 682597A0: 5 pieces  
MHU 1779153: LOT 682597A0: 22 pieces

### Certified Specifications

AMS 4045/RevK AMS-QQ-A-250/12/RevA ASTM B 209/Rev10 CMMP 025/RevU

DAS  
23 14-09-18  
9-89

Test Code: 1512

### Test Results:

LOT: 682597A0 CAST: 619 DROP: 01 INGOT: 1

Melted in USA  
(ASTM E8/B557)  
(EN 2002-1)

Tensile: Temper	Dir/#Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
T651	LT / 04 (Min:Max)	85.4 : 86.8 (589 : 598)	75.2 : 76.4 (519 : 527)	11.3 : 12.2

(ASTM E1251)  
Chemistry:

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.07	0.13	1.5	0.03	2.5	0.18	5.9	0.03	0.01	0.00	TOT 0.04

Chemistry:

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
7075	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	MAX 0.05
	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT 0.15

Aluminum Remainder

Plant Serial: 4331492  
Kaiser Order Number: 1169391  
Line Item: 2

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378323

CstAr

CstOr 261259

Wgt.: 44 LB

Date 09/09/2014

*John R. Zambetti*



**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

**CERTIFIED TEST REPORT**

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order: \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content. \* has been thermally processed in compliance with AMS 2772, where applicable. \* is mercury free, within the limits of detection of ASTM E1251 (<1ppm). \* is in compliance with RoHS 2, European Union Directive 2011/65/EU. \* is in compliance with and regularly monitors any updates to the European Chemical Agency, ECHA, REACH regulations, (EC) 1907/2006. \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

*James Hemenway*

Plant Serial: 4331492  
Kaiser Order Number: 1169391  
Line Item: 2

Page 2 of 2

From: ThyssenKrupp Materials NA  
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378323  
CstAr CstOr 261259  
Wgt.: 44 LB Date 09/09/2014

*John R. Zambetti*



ThyssenKrupp Materials NA  
Copper and Brass Sales Division  
22355 West 11 Mile Road  
SOUTHFIELD MI 48033  
Tel.: +12482335700 Fax: +12482335888

Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer Part
MTR header	MTR type	Search criteria	Heat lot
81A/1402089394	000040	900001	7075 Aluminum - T651 Non-USI 0.25000 (+-)
Att_001.PDF	09/08/2014	2 ST	
	ACAP	921031867320140001	682597A0

Delivery number	2403378323
Date	09/09/2014

THYSSENKRUPP MATERIALS NA - ECAD  
2821 LANGSTAFF ROAD  
CONCORD L4K 5C6  
CANADA

**Alcoa Europe SA**

**AISC Pearl Warehouse**

Ship From: AISC-Paal, Belgium

726160	0
<u>Ship Date</u>	<u>R.L. No.</u>
	<u>Lawyer No.</u>

2007-02-07 15882605

P.O. No. Goy Contract No. 8  
Cust. Order No. 100153

SSC 751 32209

ITEM DESCRIPTION  
DATE 2024-07-07 14:14 IN PLAT SHEET MILL FINISH, PER AMS-00-A-250/4 A  
(MARKED) MAX PAPER INTERLEAVED

DAS  
23  
9-89  
14-8-18

Num	Package Ticket	Lot	Weight	Quantity	Unit
1	51367	449911	1856	40	PC

MOLECULES FOR CHEMICAL ANALYSIS. THE PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4B, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4C, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4D, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4E, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4F, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4G, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4H, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4I, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4J, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4K, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4L, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4M, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4N, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4O, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4P, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4Q, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4R, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4S, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4T, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4U, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4V, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4W, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4X, AMENDMENT 2. PRODUCT PRODUCED AND MARKED TO THE REQUIREMENTS OF Q9-A-250/4Y, AMENDMENT 2. ALSO MEETS THE REQUIREMENTS OF Q9-A-250/4Z, AMENDMENT 2.

CGR: ~~00011558~~  
~~021858~~ -Specification limits

Long transv. Max

CHEMICAL COMPOSITION		Other		Aluminum							
		Si	Fe	Cu	Mn	CR	ZN	TI	Each	Total	Aluminum
Max		.50	.50	4.9	.4	1.8	.10	.25	.15	.05	.15
Min				1.8	.30	1.2					REMAIN

**Find attached Certificate for Material Origin**

SECRET

MAR 27 2009

061858

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378261

CstAr

CstOr 261259

Wgt.: 49.075 LB

Date 09/09/2014

John R. Zumbetti

# CERTIFIED INSPECTION REPORT

Alcoa Inc.

PITTSBURGH, PA DAVENPORT WORKS  
Ship From: DAVENPORT, IA.

726160

0

Ship Date:

U.S. No.

Invoice No.

Alcoa No. Item

2007-02-07 15882605

Page 1

2007-02-07

Customer

996153

12193130

P.O. No./Order Control No.

2560765586/130-160

John L. Vignone  
Director of Manufacturing, Davenport Works

Ken Flynn  
Quality Assurance Manager

COR: 009115.3 - Material Origin Item Description  
071 TR 148.0 14 W X 144.0 IN LN MADE A/T 2024-TJ 14-2000A PEK MS9-00-A-250/  
& REV A ((MARKED)) WAX PAPER INTERLEAVED COR 009115 REV 3

Lot: 449911 -Mechanical, Physical, Metallurgical, Quantitative Results

UTS TYS ELAD  
No. Tect NSI KSI PCT  
Type ULC  
T3 Long Tensile 2 Min 66.5 45.1 18.6  
Cast Number Chemical RI FE CU SN Mg CR ZN TI  
99216024 Actuals .07 .15 &.6 .62 1.5 .01 .06 .03

DAS

23

9-89

14.09.10

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2403378261

CstAr

CstOr 261259

Wgt.: 49.075 LB

Date 09/09/2014

John L. Zambetti



ThyssenKrupp Materials NA  
Copper and Brass Sales Division  
22355 West 11 Mile Road  
SOUTHFIELD MI 48033  
Tel.: +12482335700 Fax: +12482335888

Order number	Ord-pos	Del-pos	Part description
Customer PO	PO date	Quantity	Customer part
MTR header	MTR type	Search criteria	Heat lot
81A/1402089394	000010	900001	2024 Aluminum - T3 Sheet 0.07100 X Width
	09/08/2014	1 ST	
Att_001.PDF	NCAP	930202189520130001	449911

Delivery number	2403378261
Date	09/09/2014

THYSSENKRUPP MATERIALS NA - ECAD  
2821 LANGSTAFF ROAD  
CONCORD L4K 5C6  
CANADA

# KAISER ALUMINUM

FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum  
Trentwood Works  
Spokane, WA 99215-5108  
(800) 367-2586

CUSTOMER PO NUMBER: 5400211561-60		WORK PACKAGE:	CUSTOMER PART NUMBER: ALFLR01586-48		PRODUCT DESCRIPTION: Kaiser Stretched
KAISER ORDER NUMBER: 1167467	LINE ITEM: 6	SHIP DATE: 03/12/2014	ALLOY: 2024	CLAD: BARE	TEMPER: T3
WEIGHT SHIPPED: 3251 LB	QUANTITY: 52 PCS EST.	B/L NUMBER: 2046850	GAUGE: 0.0900 IN	WIDTH: 48.000 IN	LENGTH: 144.000 IN
SHIP TO:  COPPER & BRASS SALES 404 CENTURA COURT SPARTANBURG, SC 29303 US			SOLD TO:  COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US		

MHU 1761265: LOT 679638A7: 37 pieces  
MHU 1763332: LOT 679202A2: 15 pieces

### Certified Specifications

AMS 4037/RevP AMS-QQ-A-250/4/RevA ASTM B 209/Rev10 CMMP 019/RevD CMMP 025/RevU

Test Code: 1504

### Test Results:

DAS  
23  
9-89

14-09-18

LOT: 679202A2 CAST: 664 DROP: 65 INGOT: 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile: Temper  
T3

Dir/#Tests

LT / 02 (Min:Max)

Ultimate KSI (MPA)

65.9 : 66.0  
(454 : 455)

Yield KSI (MPA)

45.1 : 45.6  
(311 : 314)

Elongation %

17.1 : 18.4

(ASTM E1251)

Chemistry:

Actual SI FE CU MN MG CR ZN TI V ZR OTHER  
0.07 0.21 4.4 0.55 1.3 0.01 0.12 0.02 0.01 0.00 TOT 0.04

LOT: 679638A7 CAST: 664 DROP: 37 INGOT: 3

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile: Temper  
T3

Dir/#Tests

LT / 02 (Min:Max)

Ultimate KSI (MPA)

67.0 : 67.5  
(462 : 465)

Yield KSI (MPA)

45.9 : 46.1  
(316 : 318)

Elongation %

19.3 : 21.2

(ASTM E1251)

Chemistry:

Actual SI FE CU MN MG CR ZN TI V ZR OTHER  
0.08 0.20 4.4 0.53 1.4 0.01 0.10 0.02 0.01 0.00 TOT 0.03

Plant Serial: 4327179

Kaiser Order Number: 1167467

Line Item: 6



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO25673

Purchase Order Date 9/8/2014

PO Print Date 9/8/2014

Page Number 1 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

FAKED

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

M130387

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M2024T3S.070	2024-T3 .070 sheet	9/17/2014 Yes 9/17/2014		48.00 sf	\$5.42	\$260.00

MATERIAL: 2024-T3 ALUMINUM SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037  
OR ASTM B209  
25.00S SKID INCLUDED IN PRICE OF MATERIAL

Line Total: \$260.00

2	M2024T3S.090	2024-T3 .090 sheet	9/17/2014 Yes 9/17/2014		48.00 sf	\$5.76	\$276.50
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MATERIAL: 2024-T3 ALUMINUM SHEET  
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037  
OR ASTM B209

Line Total: \$276.50

Note:

9/8/2014





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO25673

Purchase Order Date 9/8/2014

PO Print Date 9/8/2014

Page Number 2 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M304S18GA	304/316 .050 Sheet	9/15/2014	160.00	✓	\$4.03	\$645.21
			Yes	sf			
			9/15/2014				

MATERIAL; AISI 304/316 SS SHEET ANNEALED  
AS PER MIL-S-5059 OR AMS 5513 (304)  
OR AMS 5524 (316) OR ASTM A240 OR  
ASME SA240

164/9/12

Line Total: \$645.21

4	M304S20GA	304/316 .040 Sheet	9/15/2014	128.00	✓	\$3.21	\$410.88
			Yes	sf			
			9/15/2014				

MATERIAL; AISI 304/316 SS SHEET ANNEALED  
AS PER MIL-S-5059 OR AMS 5513 (304)  
OR AMS 5524 (316) OR ASTM A240 OR  
ASME SA240

128

Line Total: \$410.88

5	M6061T6S.032	6061-T6 Sheet 0.032"	9/15/2014	144.00	✓	\$1.81	\$260.70
			Yes	sf			
			9/15/2014				

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER  
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027  
OR ASTM B209

144

Note:

9/8/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO25673**

Purchase Order Date 9/8/2014

PO Print Date 9/8/2014

Page Number 3 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	905 669 9444	<b>Customer POID</b>	
<b>Ship To Contact</b>		<b>Customer Tax #</b>	10127-2607
<b>Ship To Phone</b>		<b>Terms</b>	Net 30
<b>Ship Via:</b>	VENDOR'S TRUCK	<b>Currency</b>	CAD
<b>Ship Acct:</b>		<b>FOB</b>	FCA - (Free Carrier)

**Line Total:** \$260.70

6	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	9/15/2014	12.00	\$5.08	\$60.90
			Yes	f		
			9/15/2014			
	MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					

**Line Total:** \$60.90

7	M7075T6B6.000X0.250	7075-T6 BAR 6.000" X 0.250"	9/17/2014	24.00	\$13.75	\$330.00
			Yes	f		
			9/17/2014			
	MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR PER AMS-QQ-A-200/11 OR QQ-A-250/12 <u>CUT FROM PLATE</u>					

**Line Total:** \$330.00

Note:

9/8/2014



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO25673**

Purchase Order Date 9/8/2014

PO Print Date 9/8/2014

Page Number 4 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	VENDOR'S TRUCK	FOB	FCA - (Free Carrier)
Ship Acct:			

8	71401-45	PROCUREMENT QUALITY CLAUSES	9/15/2014	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality document

9/15/2014

Line Total: \$0.00

PO Total: \$2,244.19

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 9/8/2014